

◇ORDERING NO.

VQ 4 1 1 - IP - A2 - C3

① ② ③ ④ ⑤ ⑥

① VALVES SERIES
VQ400 SERIES

③ RETURN METHOD
0 : None
1 : AIR + SPRING
2 : AIR
3 : SPRING

⑤ COILS TYPE
A2 : AC 220V (50/60Hz)
A1 : AC110V (50/60Hz)
A4 : AC24V (50/60Hz)
D4 : DC24V
D2 : DC12V

② FUNCTION

1 : 5/2 WAY SINGLE
2 : 5/2 -DOUBLE
3 : 5/3 - Close Center
4 : 5/3 -OPEN Center
5 : 5/3 -PRESSURE CENTER

④ PILOT FUNCTION
IP : INTERNAL PILOT
EP : EXTERNAL PILOT

⑥ SUB-BASE TYPE
0 : WITHOUT SUB-BASE
C2 : SUB-BASE OF PORT 3/8
C3 : SUB-BASE OF PORT 1/2

◇ SPECIFICATION

FUNCTION	5/2 WAY	5/3 WAY
FLUIDS	COMPRESSED & INERT GASES	
PRESSURE (MPa)	0.15~1Mpa	0.2~1Mpa
EFF. SECTION AREA(mm2)	30	25
Ambient & Fluid temp.	5 ~ 60° (41 ~ 140°F)	
Response time 5bar (5kgf/cm ²)	25ms or less	35ms or less
Max. working frequency	5c / sec	3c / sec
LUBRICATION	NOT REQUIRED (USED ISO VG32#)	
MANUAL OVERRIDE	NON-LOCK PUSH, LEVER LOCK(OPTION)	
PILOT EXHAUST TYPE	EACH EXHAUST METHOD	
CONNECTION SYSTEM	LEAD WIRE TYPE WITH 3Pin Din Connector	
IP GRADE	DUSTPROOF , IP42, IP65	
COIL INSULATION CLASS	F CLASS OR EQUIVALENT	
VOLTAGE AC 50/60Hz	AC220V, AC110V , AC24V (AC230V , AC120V)	
VOLTAGE DC	DC120V , DC24V , DC12V	
POWER CONSUMPTION	AC 5.5VA , 3.7VA / DC 2.0W	
PERMISSIBLE VOLTAGE	RATED VOLTAGE OF -10% ~ +10%	
OFF MIN. RESIDUAL VOLTAGE	AC:20% OR LESS	DC:10% OR LESS

◇MODEL NO.

BODY TYPE	BODY SERIES	BUTTON	FUNCTION	PORT SIZE
SUB-BASE TYPE	VQ411-IP-00	IP	5/2 - SINGLE	SUB-BASE : 3/8 , 1/2 MANIFOLD : 3/8
	VQ420-IP-00		5/2-DOUBLE	
	VQ433-IP-00		5/3-Close Center	
	VQ443-IP-00		5/3 OPEN Center	
	VQ453-IP-00		5/3 -PRESSURE Center	

◇SUB-BASE CODE

SIB4 2 S

○ ○ ○

① SERIES
SIB4 : VQ400 of SUB-BASE

② PORT SIZE
2 : 3/8
3 : 1/2

③ Function
S : SINGLE SUB-BASE

◇MANIFOLD CODE

SIM4 2 02

○ ○ ○

① SERIES
SIM4 : VQ400 of MAIFOLD

② PORT SIZE
2 : 3/8

③ FUNCTION
02 : 2 STATION OF MANIFOLD (2-10 STATION)
BLK : BLANKING PLATE
SP : PACKING , SCREW SET

ISO-1 5/2, 5/3 WAY

VQ500

◇ ORDERING NO.

VQ 5 1 1 - IP - A2 - C3

① ② ③ ④ ⑤ ⑥

① VALVES SERIES
VQ500 SERIES

③ RETURN METHOD
0 : None
1 : AIR + SPRING
2 : AIR
3 : SPRING

⑤ COILS TYPE
A2 : AC 220V (50/60Hz)
A1 : AC110V (50/60Hz)
A4 : AC24V (50/60Hz)
D4 : DC24V
D2 : DC12V

② FUNCTION
1 : 5/2 WAY SINGLE
2 : 5/2 -DOUBLE
3 : 5/3 - Close Center
4 : 5/3 -OPEN Center
5 : 5/3 -PRESSURE CENTER

④ PILOT FUNCTION
IP : INTERNAL PILOT
EP : EXTERNAL PILOT

⑥ SUB-BASE TYPE
0 : WITHOUT SUB-BASE
C2 : SUB-BASE OF PORT 3/8
C3 : SUB-BASE OF PORT 1/2
C4 : SUB-BASE OF PORT 3/4

◇ SPECIFICATION

FUNCTION	5/2 WAY	5/3 WAY
FLUIDS	COMPRESSED & INERT GASES	
PRESSURE (MPa)	0.15~1Mpa	0.2~1Mpa
EFF. SECTION AREA(mm2)	65	50
Ambient & Fluid temp.	5 ~ 60° (41 ~ 140°F)	
Response time 5bar (5kgf/cm ²)	25ms or less	35ms or less
Max. working frequency	5c / sec	3c / sec
LUBRICATION	NOT REQUIRED (USED ISO VG32#)	
MANUAL OVERRIDE	NON-LOCK PUSH, LEVER LOCK(OPTION)	
PILOT EXHAUST TYPE	EACH EXHAUST METHOD	
CONNECTION SYSTEM	LEAD WIRE TYPE WITH 3Pin Din Connector	
IP GRADE	DUSTPROOF , IP42, IP65	
COIL INSULATION CLASS	F CLASS OR EQUIVALENT	
VOLTAGE AC 50/60Hz	AC220V, AC110V , AC24V (AC230V , AC120V)	
VOLTAGE DC	DC120V , DC24V , DC12V	
POWER CONSUMPTION	AC 5.5VA , 3.7VA / DC 2.0W	
PERMISSIBLE VOLTAGE	RATED VOLTAGE OF -10% ~ +10%	
OFF MIN. RESIDUAL VOLTAGE	AC:20% OR LESS	DC:10% OR LESS

◇ MODEL NO.

BODY TYPE	BODY SERIES	BUTTON	FUNCTION	PORT SIZE
SUB-BASE TYPE	VQ511-IP-00	IP	5/2 - SINGLE	SUB-BASE : 3/8 , 1/2 , 3/4 MANIFOLD: 3/8, 1/2
	VQ520-IP-00		5/2-DOUBLE	
	VQ533-IP-00		5/3-Close Center	
	VQ543-IP-00		5/3 OPEN Center	
	VQ553-IP-00		5/3 -PRESSURE Center	

◇ SUB-BASE CODE

SIB5 2 S

○ ○ ○

① SERIES
SIB5 : VQ500 of SUB-BASE

② PORT SIZE
2 : 3/8
3 : 1/2
4 : 3/4

③ Function
S : SINGLE SUB-BASE

◇ MANIFOLD CODE

SIM5 2 03

○ ○ ○

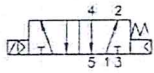
① SERIES
SIM5 : VQ500 of MANIFOLD

② PORT SIZE
2 : 3/8
3 : 1/2

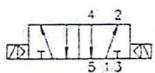
③ FUNCTION
02 : 2 STATION OF MANIFOLD (2-10 STATION)
BLK : BLANKING PLATE
SP : PACKING, SCREW SET

VQ400 Series 구조도 5포트 솔레노이드 밸브

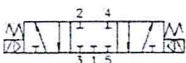
표시기호
2위치 싱글



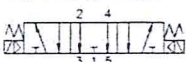
표시기호
2위치 더블



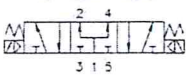
표시기호
3위치 Close Center



3위치 Exhaust Center



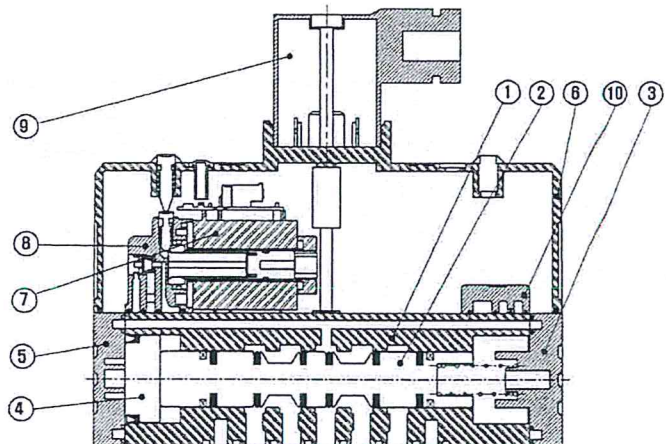
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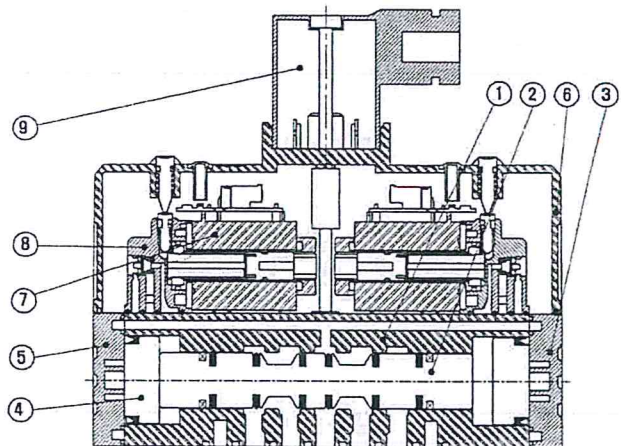
구성부품

번호	부품명	재질
1	몸체	알루미늄 다이캐스트
2	스플	알루미늄
3	바디커버	수지
4	피스톤	수지
5	세미 파이롯트	수지
6	램프 케이스	수지
7	코일 Ass'y	-
8	파이롯트	수지
9	커넥터	수지
10	플레이트	수지

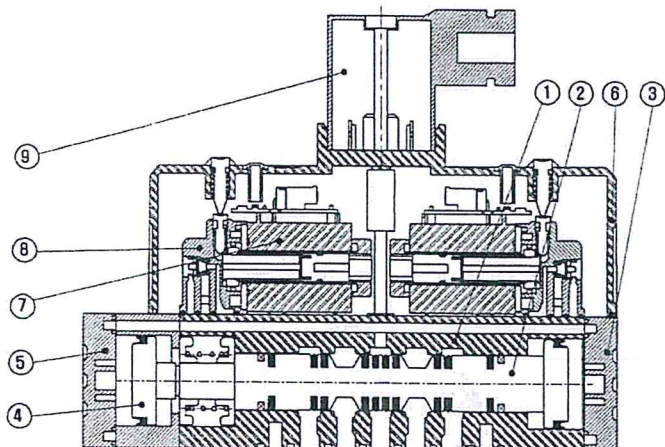
2위치 싱글



2위치 더블

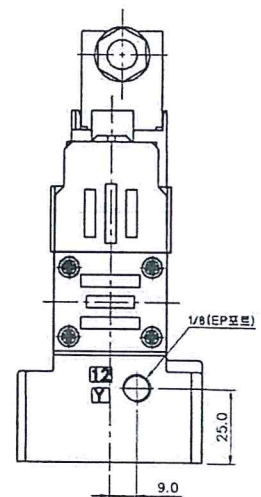
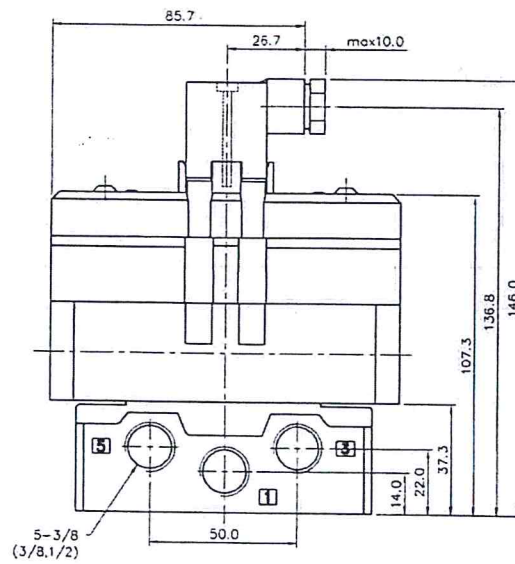
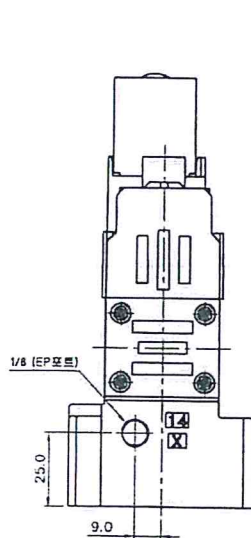
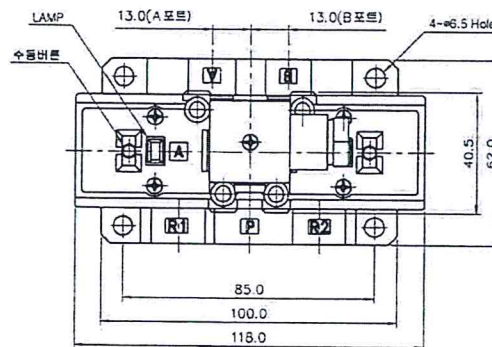
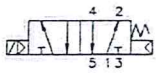


3위치 Close Center / Exhaust Center / Open Center



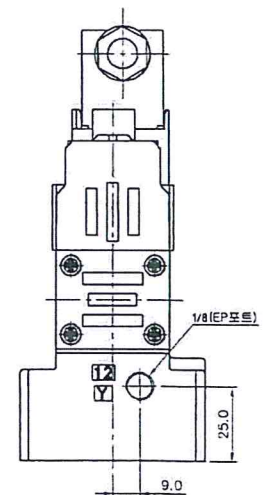
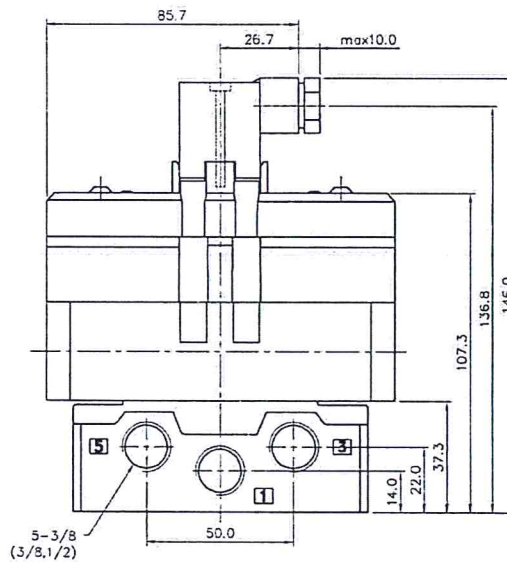
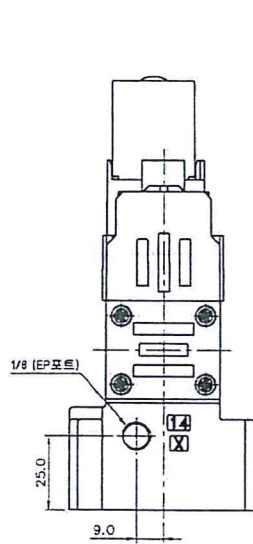
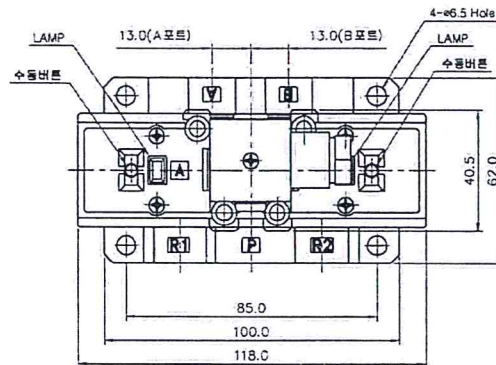
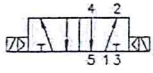
2위치 싱글 베이스배관형 [VQ411-C]

표시기호
2위치 싱글



2위치 더블 베이스배관형 (VQ420-C)

표시기호
2위치 더블

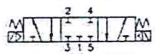


3위치 Close Center / Exhaust Center / Open Center

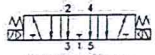
베이스배관형 (VQ433-C)

표시기호

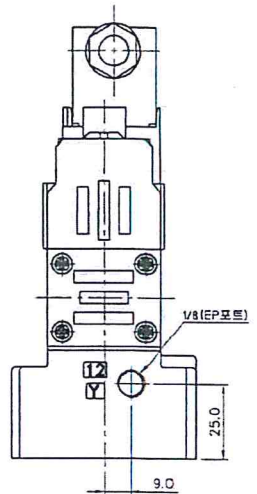
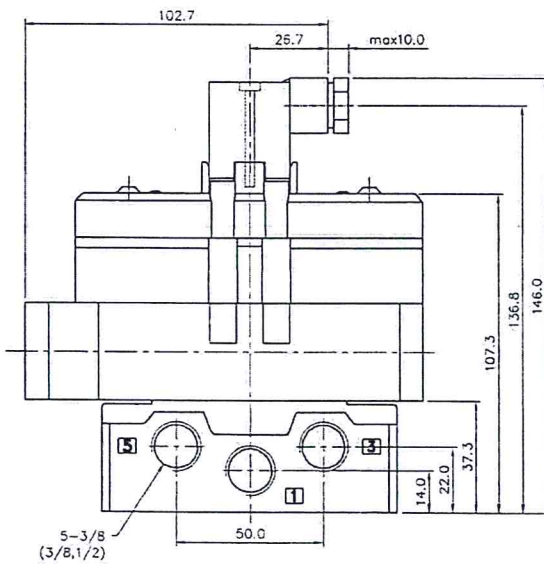
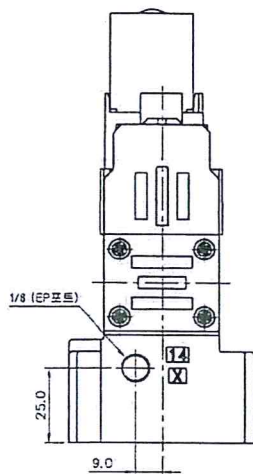
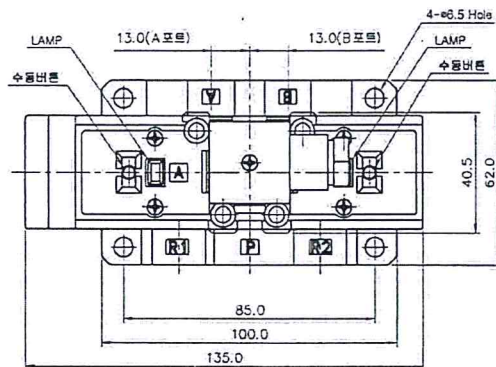
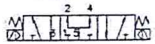
3위치 Close Center

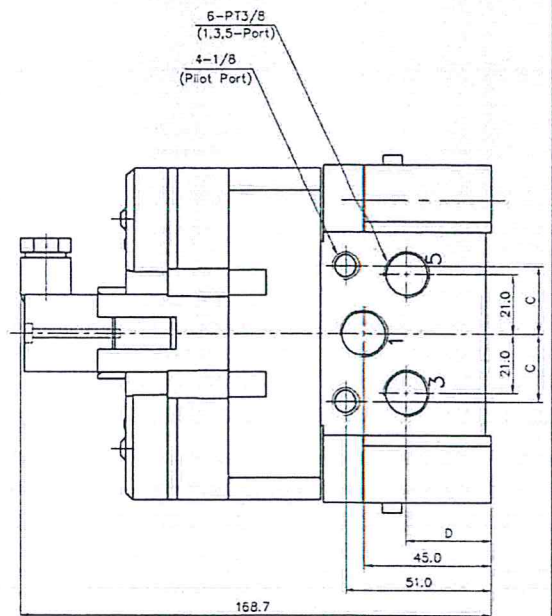
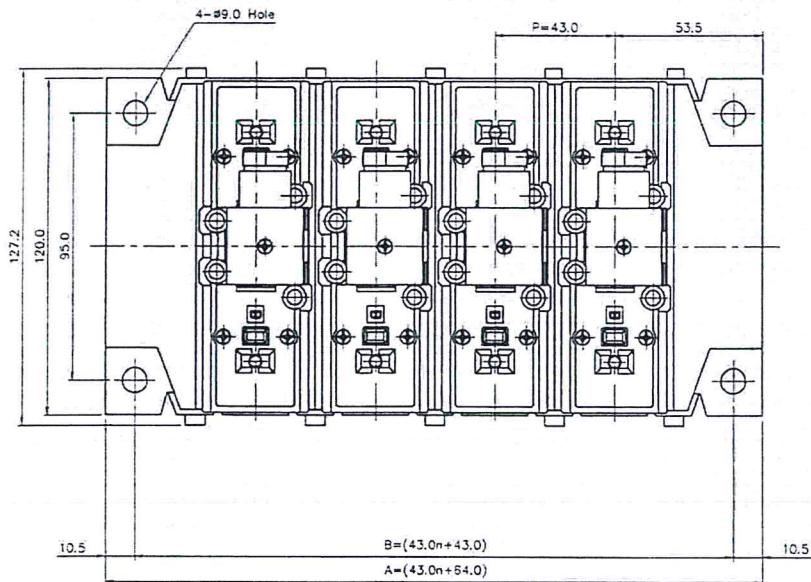


3위치 Exhaust Center

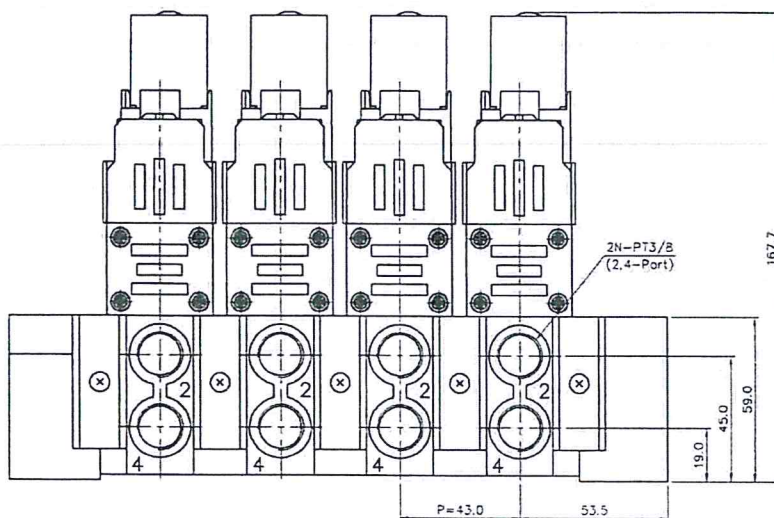


3위치 Open Center





1,3,5포트구경	C	D
PT3/8	21.0	30.0
PT1/2	26.0	26.0

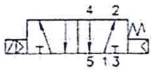


DOUBLE MANIFOLD BLOCK 치수

구경	2	3	4	5	6	7	8	9	10	11	12	13	14
B	129.0	172.0	215.0	258.0	301.0	344.0	387.0	430.0	473.0	516.0	559.0	602.0	645.0
A	150.0	193.0	236.0	279.0	322.0	365.0	408.0	451.0	494.0	537.0	580.0	623.0	666.0

VQ500 Series 구조도 5포트 솔레노이드 밸브

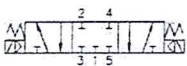
표시기호
2위치 싱글



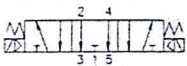
표시기호
2위치 더블



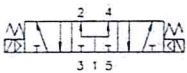
표시기호
3위치 Close Center



3위치 Exhaust Center



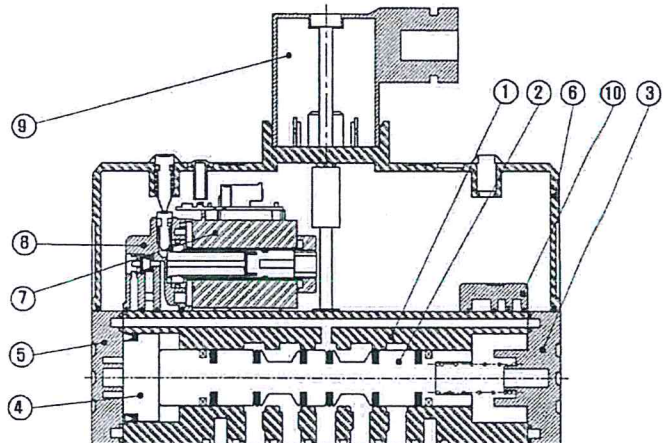
3위치 Open Center



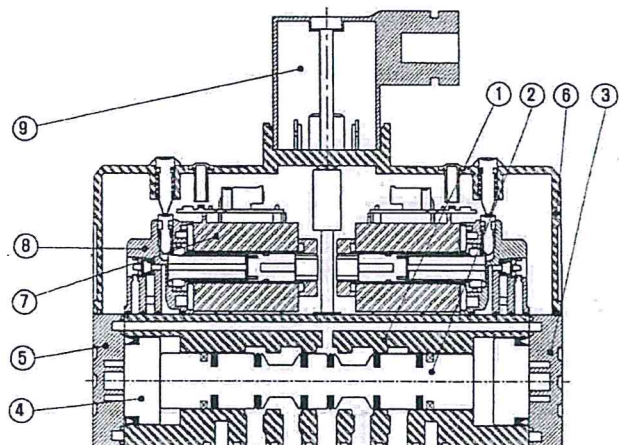
구성부품

번호	부품명	재질
1	몸체	알루미늄 다이캐스트
2	스플	알루미늄
3	바디커버	수지
4	피스톤	수지
5	세미 파이롯트	수지
6	램프 케이스	수지
7	코일 Ass'y	-
8	파이롯트	수지
9	커넥터	수지
10	플레이트	수지

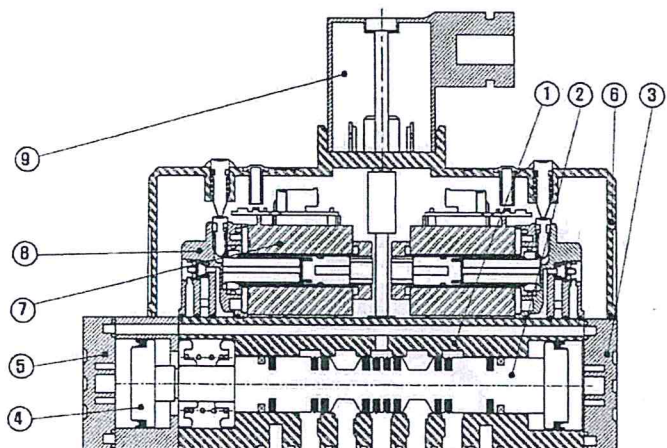
2위치 싱글



2위치 더블

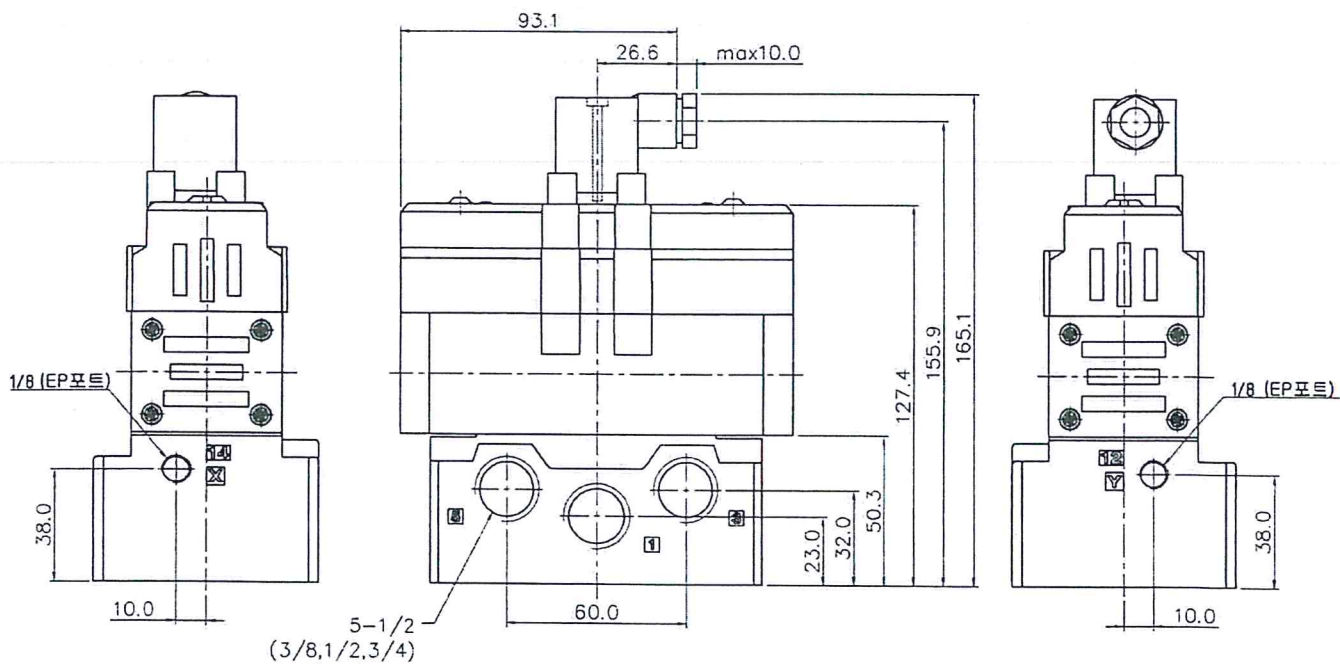
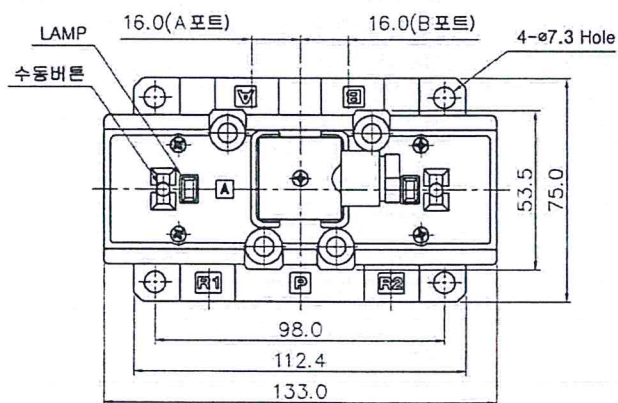


3위치 Close Center / Exhaust Center / Open Center



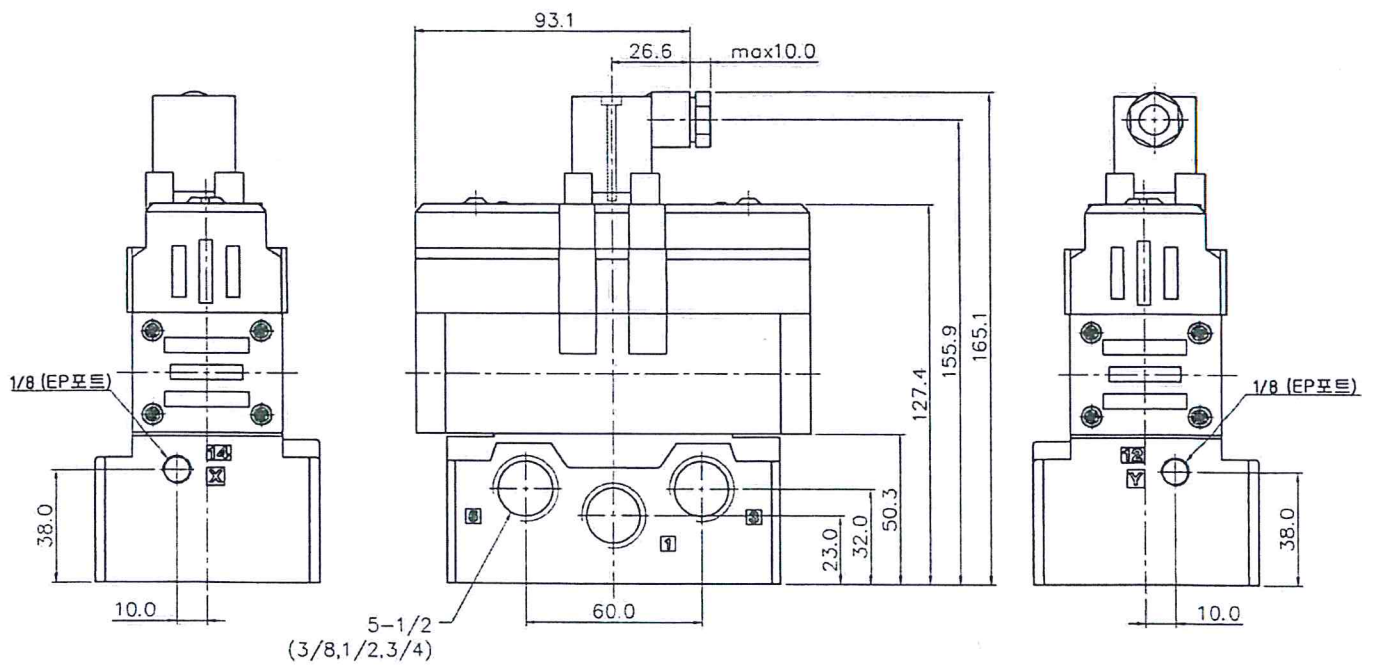
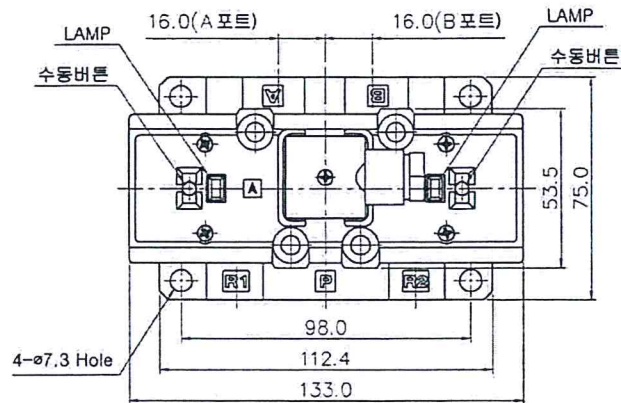
2위치 싱글 베이스배관형 (VQ511-C)

표시기호
2위치 싱글



2위치 더블 베이스배관형 (VQ520-C)

표시기호
2위치 더블

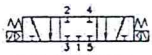


3위치 Close Center / Exhaust Center / Open Center

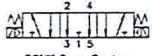
베이스배관형 (VQ433-C)

표시기호

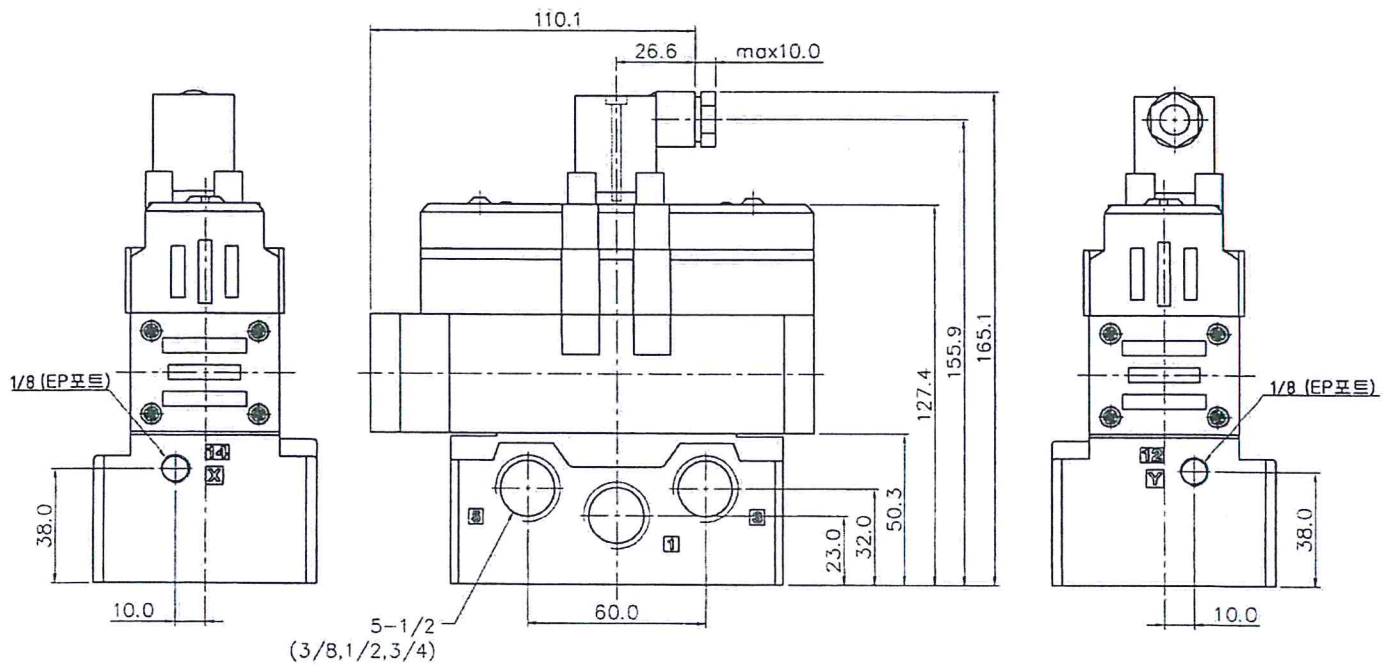
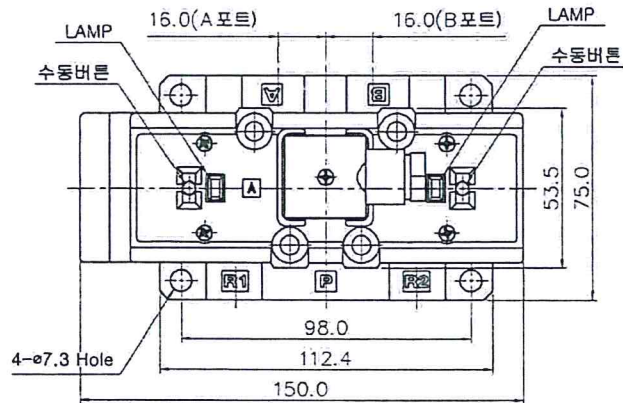
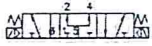
3위치 Close Center

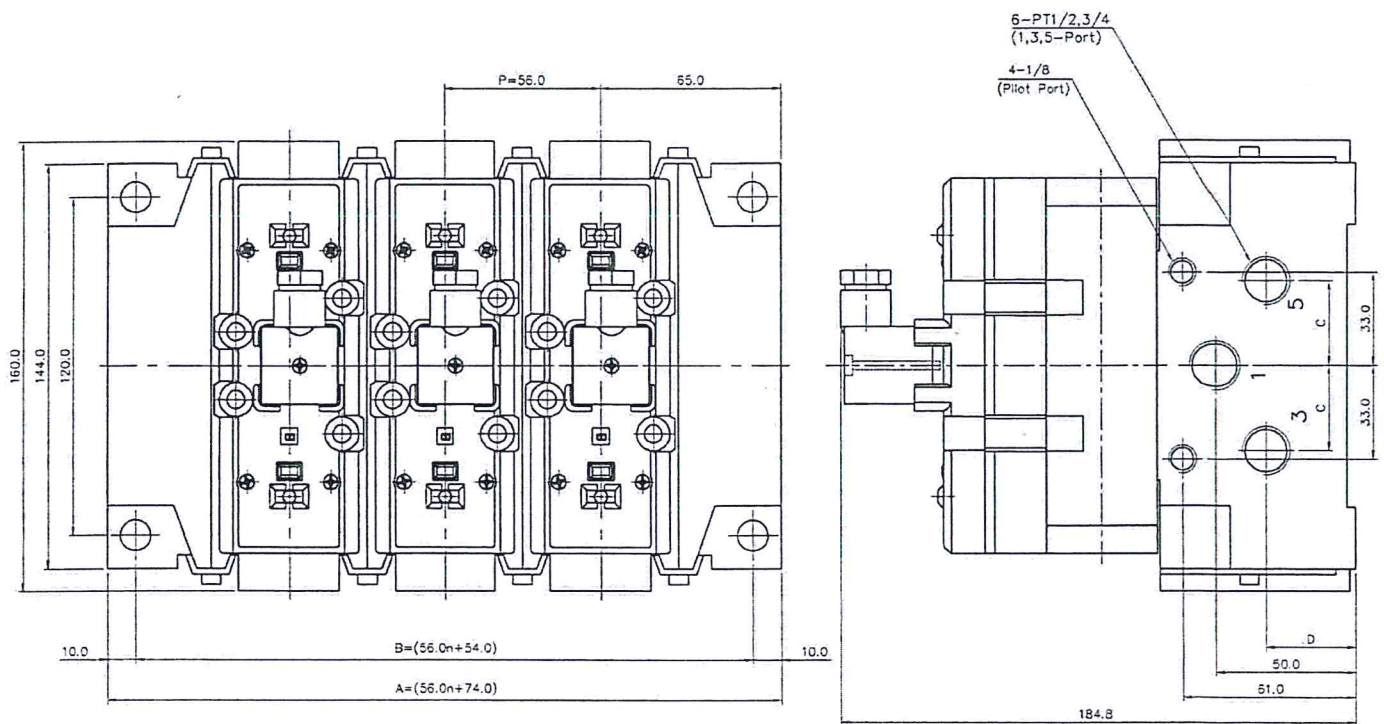


3위치 Exhaust Center

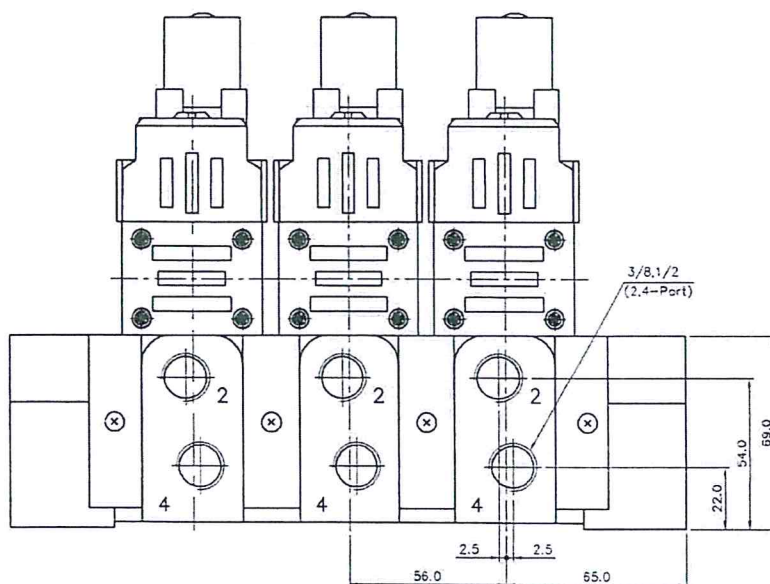


3위치 Open Center





1,3,5포트구경	C	D
PT1/2	30.0	32.0
PT3/4	37.0	25.0



DOUBLE MANIFOLD BLOCK 치수

단위 mm	2	3	4	5	6	7	8	9	10	11	12	13	14
B	166.0	222.0	278.0	334.0	390.0	446.0	502.0	558.0	614.0	670.0	726.0	782.0	838.0
A	186.0	242.0	298.0	354.0	410.0	466.0	522.0	578.0	634.0	690.0	746.0	802.0	858.0